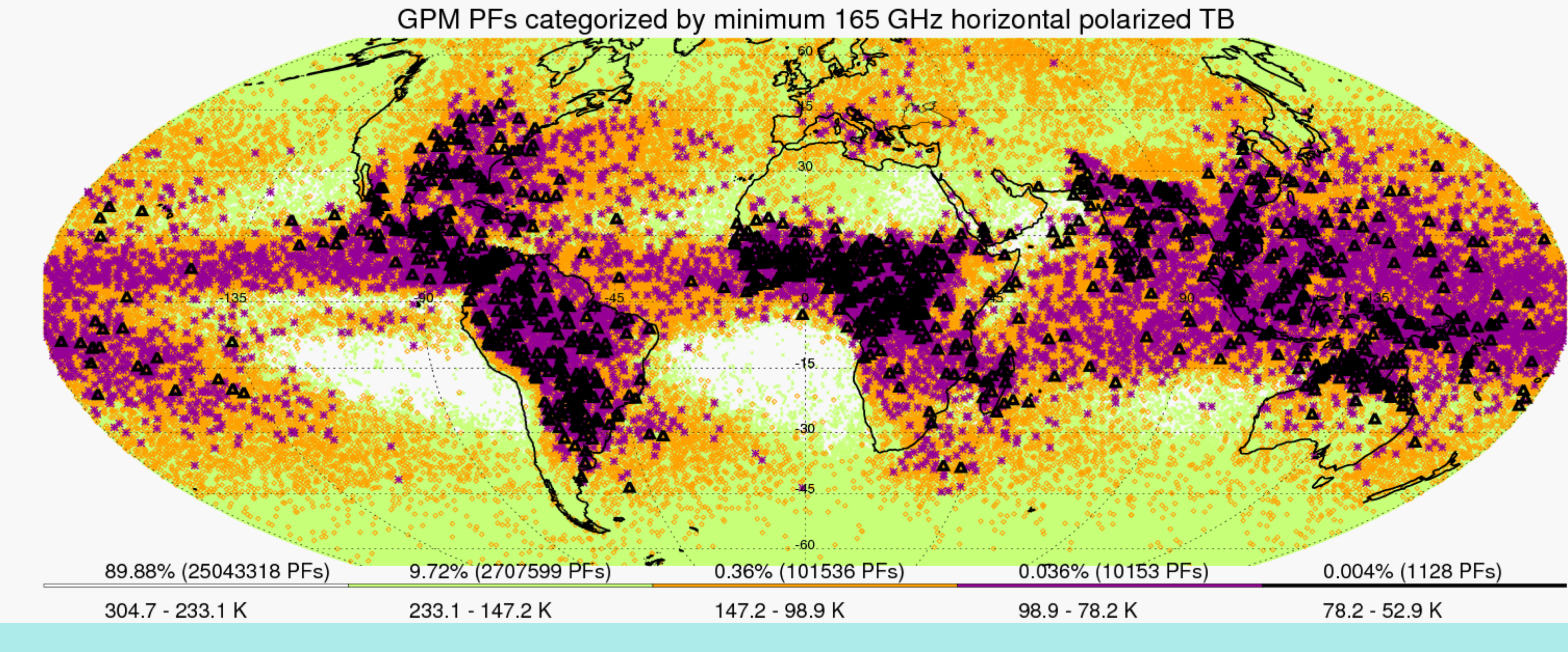
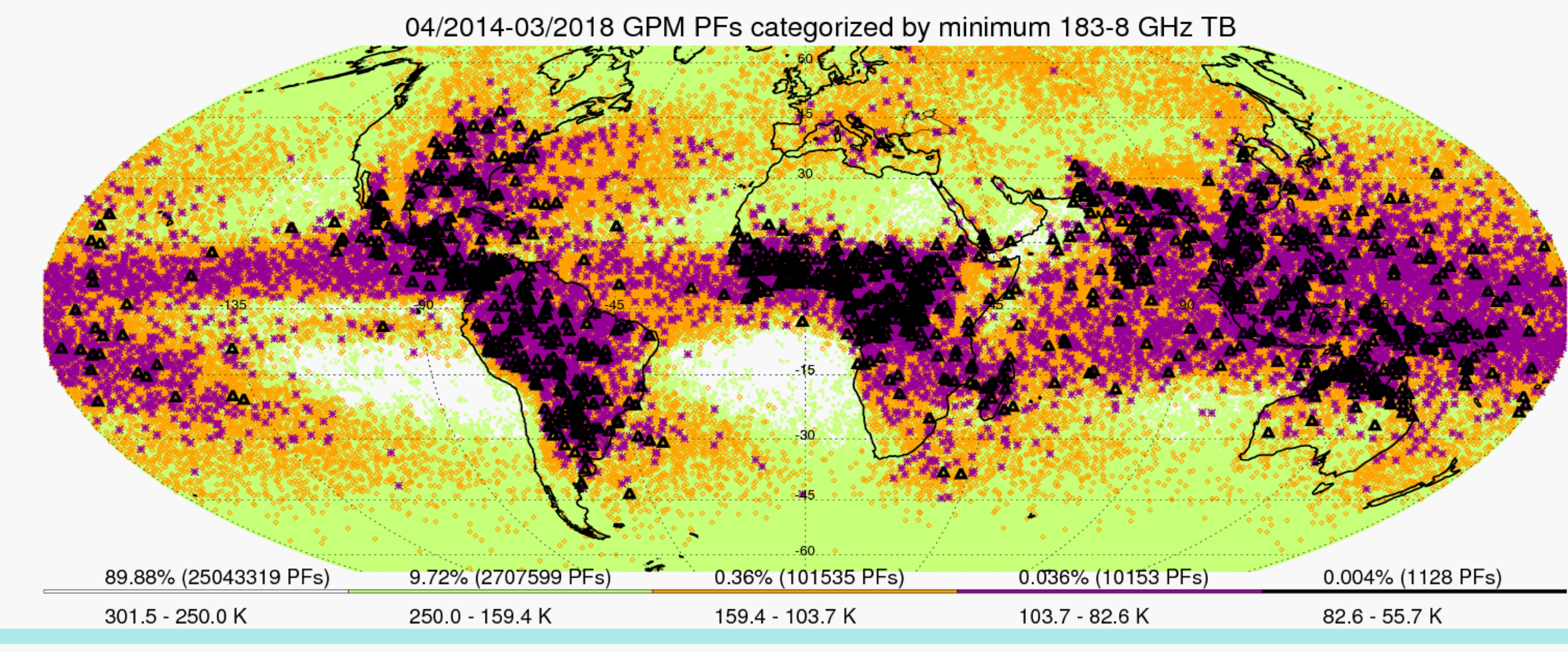
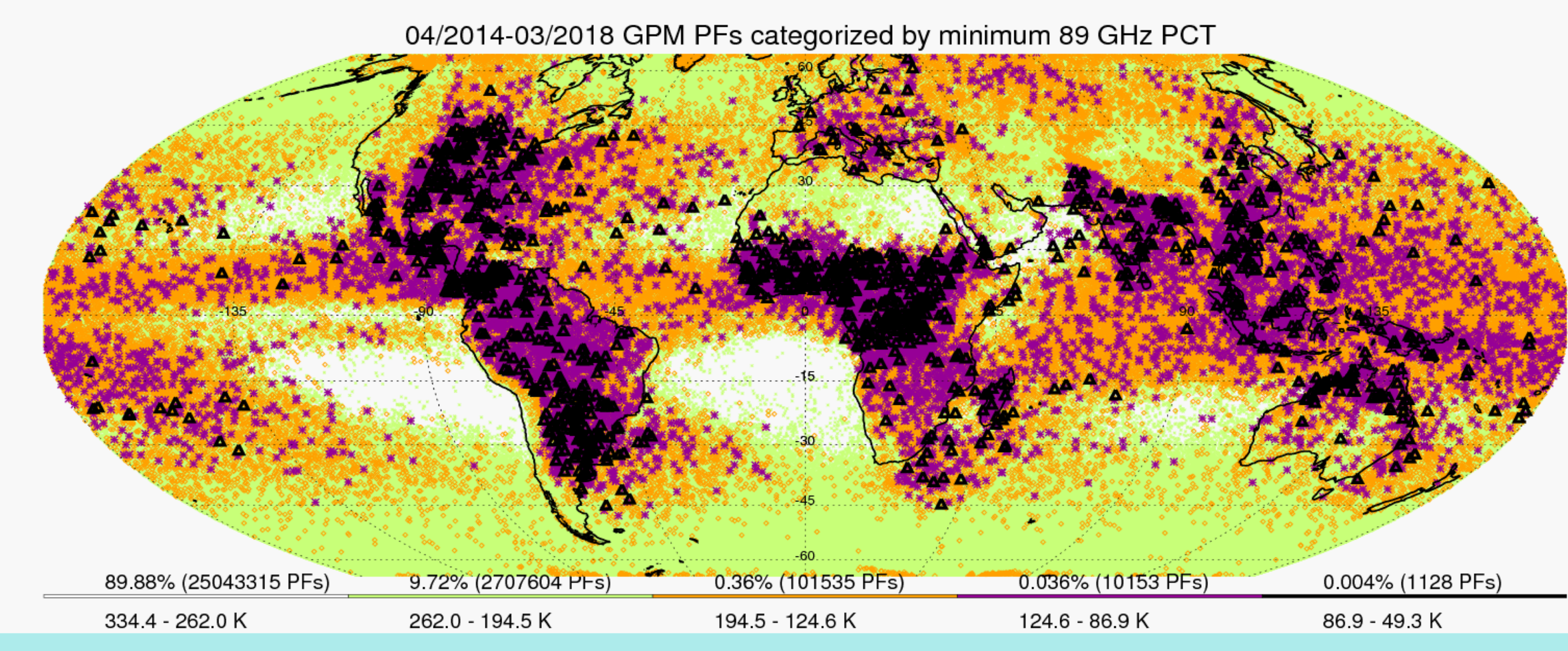
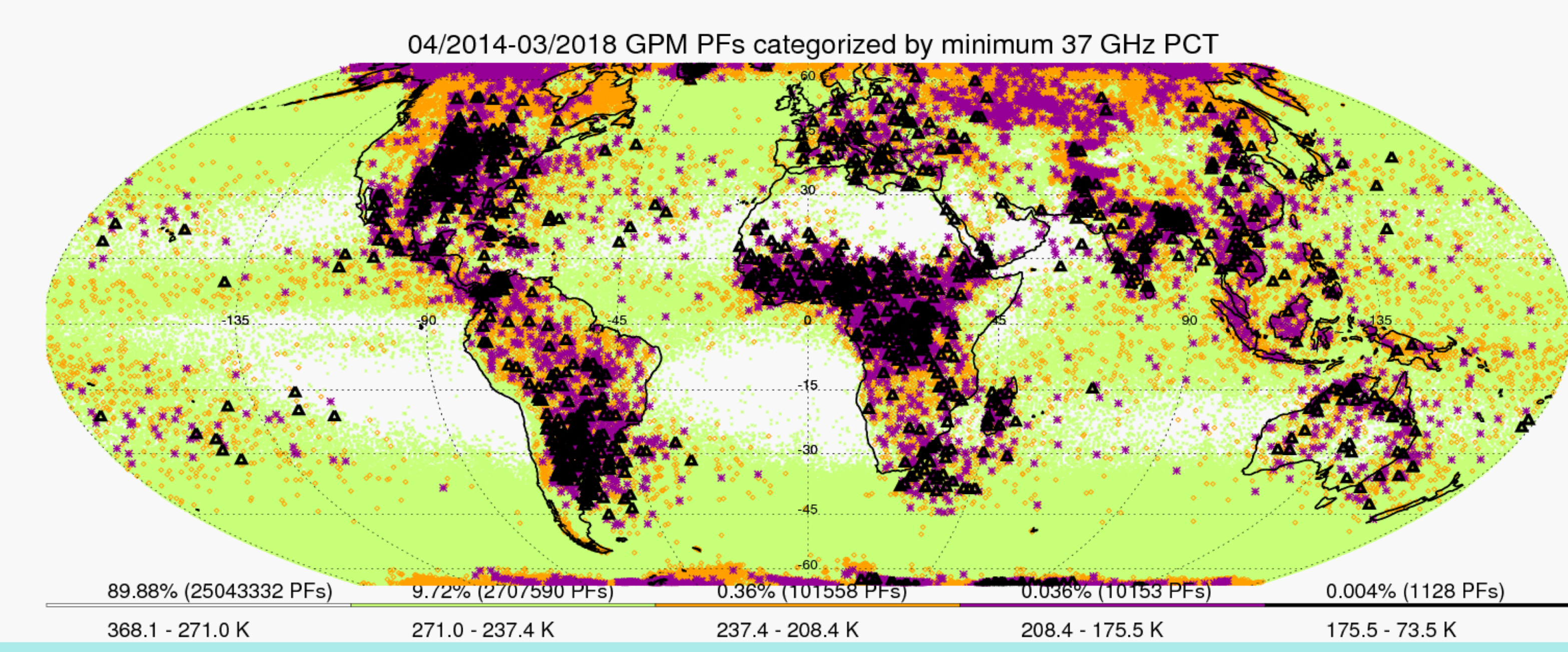
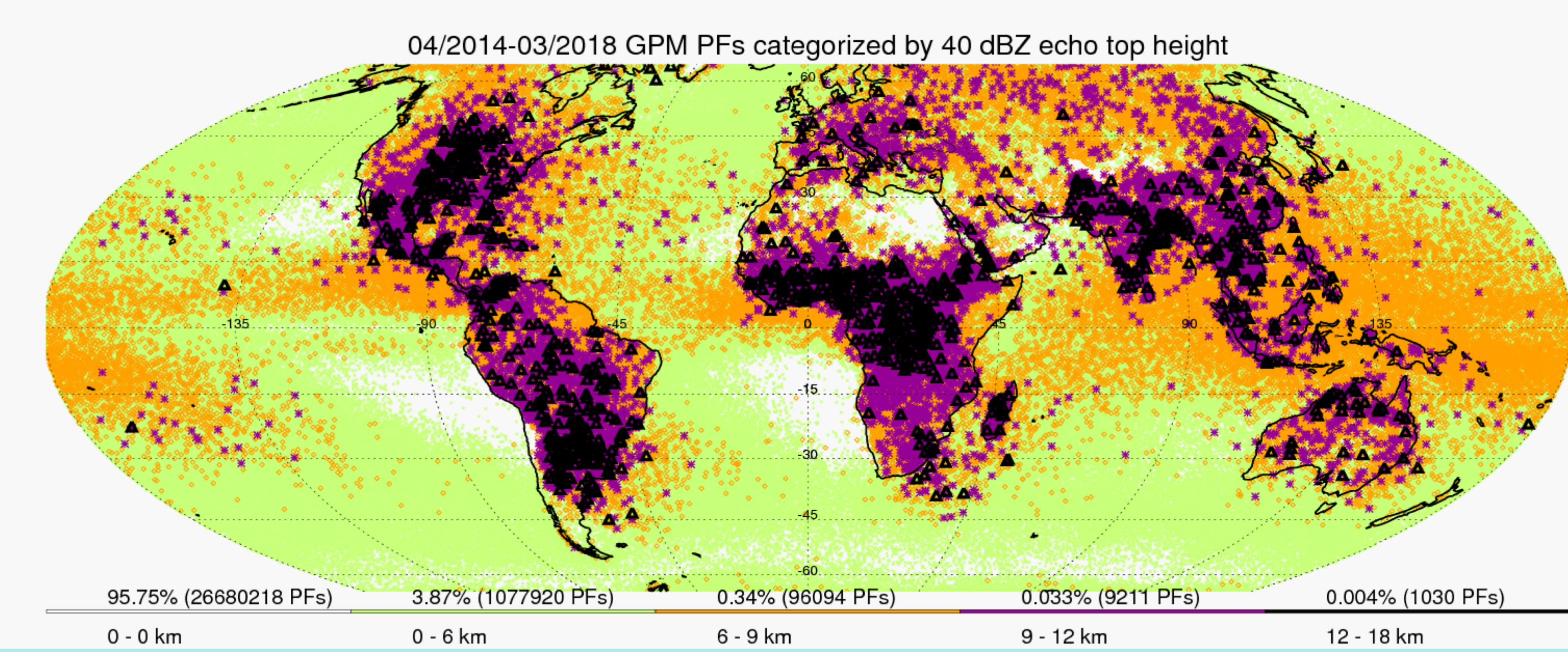
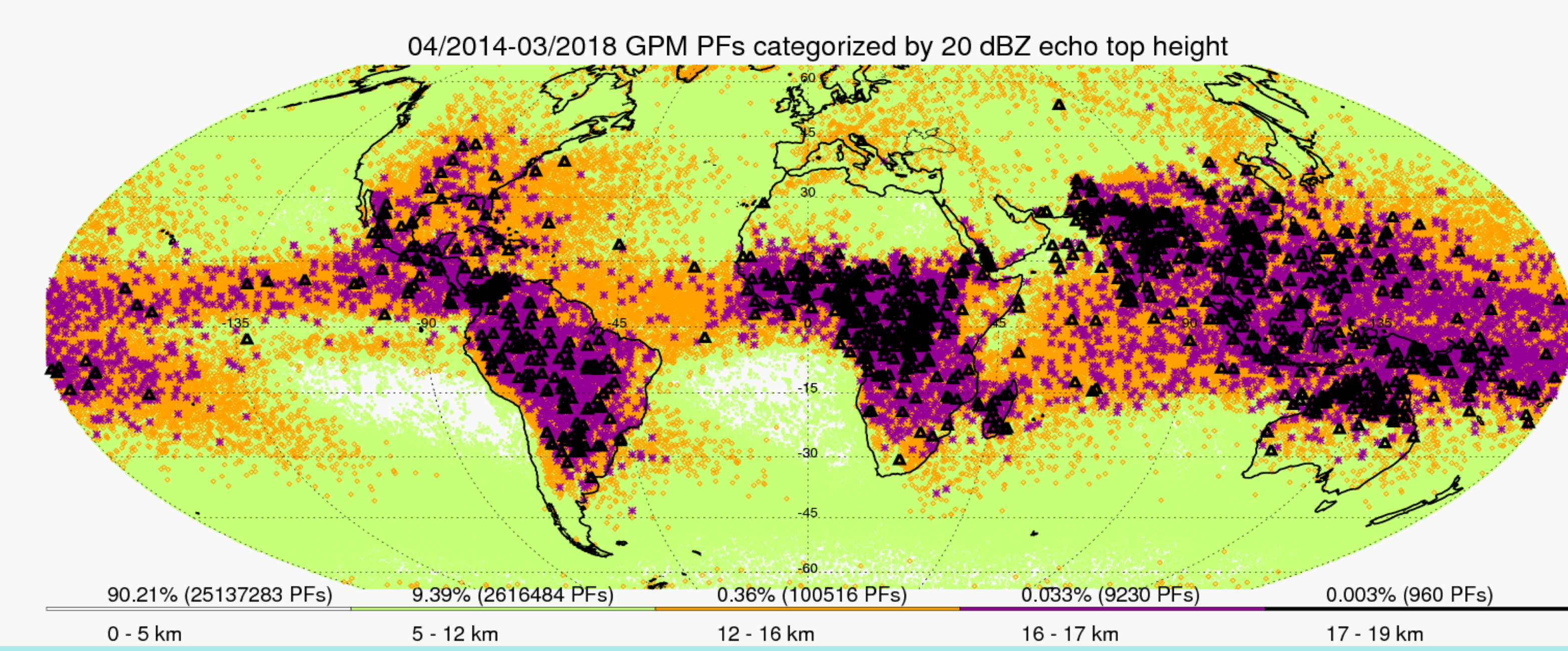
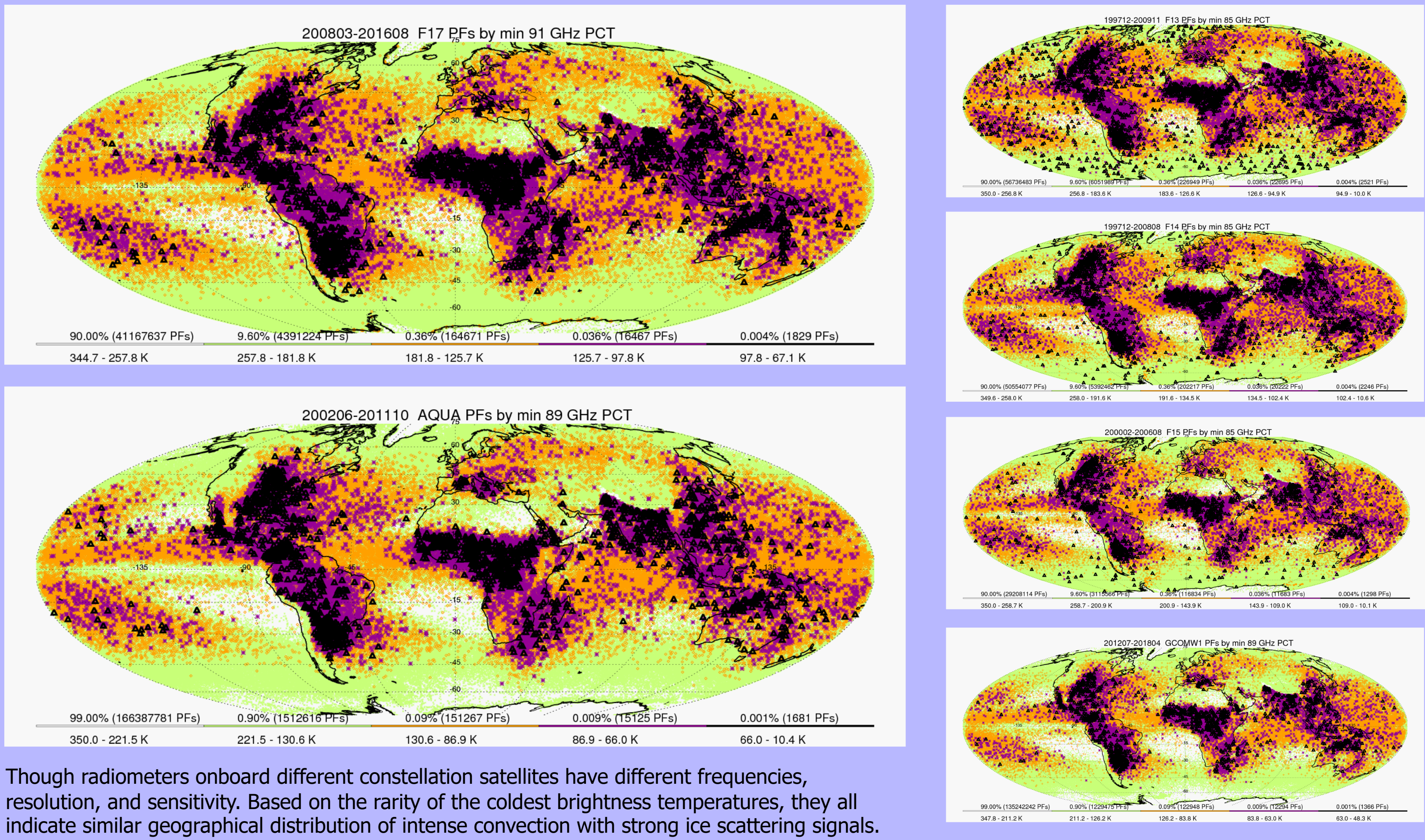
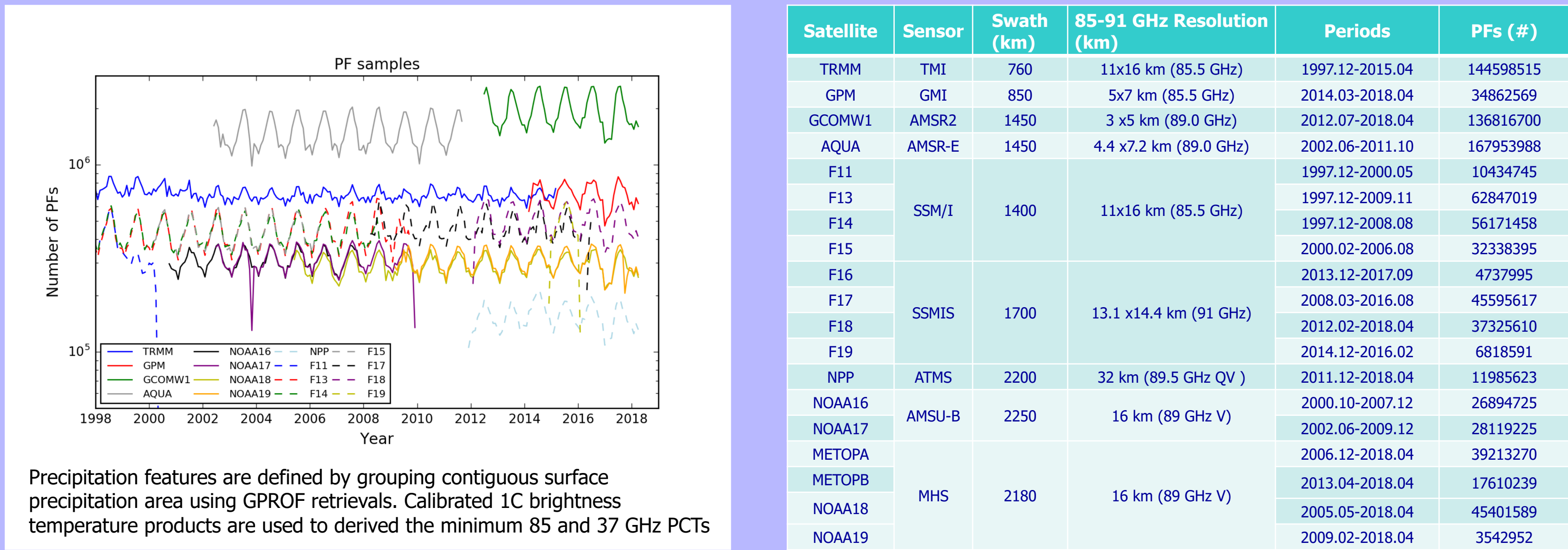


Intense convection from the GPM core satellite



The intense convection is identified by categorization of all precipitation features by their rarity of maximum echo top heights or minimum brightness temperatures. The distribution of coldest 165H and 165V brightness temperature, and 183 ± 3 and 183 ± 7 GHz are quite similar, therefore only one of them is shown here.

Intense convection from constellation satellites



Though radiometers onboard different constellation satellites have different frequencies, resolution, and sensitivity. Based on the rarity of the coldest brightness temperatures, they all indicate similar geographical distribution of intense convection with strong ice scattering signals.

Inter-comparing coldest brightness temperatures from different satellites

